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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: FURMAN, et al. § Group Art Unit: 1773  
Serial No.: 09/726,769 § Examiner: Hoa T. LEE  
Filed: 11/29/2000 § Atty. Docket No.: SwRI-2749A  
Title: Methods of Functionalizing and Functionalized Metal Oxide Particles and Mechanically Strong and Transparent or Translucent Composites Made Using Zirconium Oxide Nanoparticles

**MAIL STOP AMENDMENT**

Commissioner for Patents  
PO BOX 1450  
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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

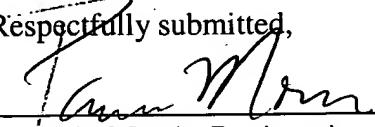
Dear Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the references listed on the attached Forms PTO/SB/08A and PTO/SB/08B be considered by the Examiner and made of record.

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Respectfully submitted,

  
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PTO/SB/08A (07-05)

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**Substitute for form 1449/PTO**

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

**(Use as many sheets as necessary)**

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**Complete if Known**

Application Number	09/726,769
Filing Date	11/29/2000
First Named Inventor	FURMAN, et al.
Art Unit	1773
Examiner Name	Hoa T. LEE
Attorney Docket Number	SwRI-2749A

**U. S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)			
		GB 2330139 A	04-14-1999	BASF AKTIENGESELLSCHAFT	
		JP 08-157597	06-18-1996	SHIN ETSU CHEM CO LTD	<input checked="" type="checkbox"/>
		WO 98/13008	04-02-1998	SOUTHWEST RESEARCH INSTITUTE	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Examiner Name	Hoa T. LEE

Attorney Docket Number SwRI-2749A

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		BIGG, et al.; "The Effect of Monomer Structure on the Adhesive Properties of Thermally Reversible Isocyanate Polymers"; ANTEC 2000: Conference Proceedings Vol. 1 - Processing; 05/07/2000-05/11/2000; pp. 1228-1231; 58th, Vol. 1; Society of Plastics Engineers, USA.	
		WANG, et al.; "Synthesis and Properties of Phosphorus Containing Polyester-Amides Derived from 1,4-Bis(3-aminobenzoyloxy)-2-(6-oxido-6H-dibenzo<1,2>oxaphosphorin-6-yl) Phenylene"; Journal of Polymer Science: Part A: Polymer Chemistry; (1999); pp. 891-899; Vol. 37; John Wiley & Sons, Inc., USA.	
		KIM, et al.; "Effects of Annealing on the Structure Formation in the Bulk State of Thermotropic Liquid Crystalline Polyesteramides with Bulky Side Groups"; Eur. Polym. J.; (1995) pp. 505-512; Vol. 31, No. 6; Elsevier Science Ltd., UK.	
		AHARONI; "Dilute and Concentrated Solution Properties of Zigzag Polymers Comprising Long Rodlike Segments with Freely Rotating Joints"; Macromolecules; (1987); pp. 877-884; Vol. 20, No. 4; American Chemical Society, USA.	
		WAN, et al.; "Relationship Between Chemical Structure and Properties for Mesogen-Jacketed Liquid Crystal Polymers"; Gaodeng Xuexiao Huaxue Xuebao; (1998); pp. 1507-1512; Vol. 19, No. 9; Gaodeng Jiaoyu Chubanshe, CN; ABSTRACT ONLY.	

Examiner Signature	Date Considered

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Supplemental Information Disclosure Statement transmittal [1 page],  
IDS form PTO/SB/08A and PTO/SB/08B [2 pages],  
Credit Card Payment form PTO-2038 [1 page],  
3 Foreign Patent Documents, 5 Non-Patent Literature Documents  
and return receipt postcard.

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